Title (en)

Method and apparatus for making packets of amorphous steel strip for transformer core manufacture

Title (de)

Verfahren und Vorrichtung zur Herstellung von Amorphenstahlbandespaketten zur Herstellung von Transformatorkern

Title (fr)

Procédé et dispositif de fabrication de paquets de bande d'accer amorphe pour fabriquer noyau de transformateur

Publication

EP 0576250 B1 20021009 (EN)

Application

EP 93304857 A 19930622

Priority

US 90442892 A 19920626

Abstract (en)

[origin: EP0576250A1] This method of making packets of amorphous metal strip adapted to be wrapped about the arbor of a transformer-core-making machine comprises providing first and second composite strips, each comprising many thin layers of amorphous metal strip stacked in superposed relationship. The composite strips have leading ends that are located in initial positions (i) axially spaced from each other at the start of a packet-making operation and (ii) at opposite ends of a stacking zone where the packets are built up during a packet-making operation. The composite strips are cut to detach first sections of strip from the first composite strip and to detach second sections of strip from the second composite strip; and the detached sections are axially advanced forwardly of the respective composite strips from which they are detached into said stacking zone. The second sections are stacked in alternating relationship upon the first sections in the stacking zone. We utilize for advancing each of the first sections into the stacking zone first transport means that is moved in a first-strip forward direction during said advancing of each of the first sections and is returned to a home position in preparation for each succeeding advancing operation of a first section. For advancing each of the second sections into the stacking zone, we utilize second transport means that is moved in a second-strip forward direction during said advancing of each of the second sections and is returned to its own home position in preparation for each succeeding advancing operation of a second section. Each of the second-section advancing operations is performed concurrently with return motion of the first transport means toward its home position, and each of the first-section advancing operations is performed concurrently with return motion of the second transport means toward its home position. <IMAGE> <IMAGE>

IPC 1-7

H01F 41/02

IPC 8 full level

H01F 27/26 (2006.01); **H01F 41/02** (2006.01)

CPC (source: EP US)

H01F 41/024 (2013.01 - EP US); Y10T 29/49078 (2015.01 - EP US); Y10T 29/5142 (2015.01 - EP US); Y10T 29/5145 (2015.01 - EP US); Y10T 29/5317 (2015.01 - EP US); Y10T 83/8854 (2015.04 - EP US)

Cited by

EP2287866A4

Designated contracting state (EPC)

DE DK ES GB IT SE

DOCDB simple family (publication)

EP 0576250 A1 19931229; **EP 0576250 B1 20021009**; AU 4123693 A 19940106; AU 664277 B2 19951109; CA 2096162 A1 19931227; CA 2096162 C 20030805; CN 1042070 C 19990210; CN 1081532 A 19940202; DE 69332363 D1 20021114; DE 69332363 T2 20031204; DK 0576250 T3 20030127; ES 2184737 T3 20030416; FI 932906 A0 19930623; FI 932906 A 19931227; JP 2546971 B2 19961023; JP H0669055 A 19940311; KR 100284515 B1 20010402; MX 9303860 A 19940131; NO 932342 D0 19930625; NO 932342 L 19931227; TW 227065 B 19940721; US 5347706 A 19940920; US 5528817 A 19960625

DOCDB simple family (application)

EP 93304857 A 19930622; AU 4123693 A 19930611; CA 2096162 A 19930513; CN 93107417 A 19930626; DE 69332363 T 19930622; DK 93304857 T 19930622; ES 93304857 T 19930622; FI 932906 A 19930623; JP 15162393 A 19930623; KR 930011158 A 19930618; MX 9303860 A 19930625; NO 932342 A 19930625; TW 82101893 A 19930315; US 23978494 A 19940509; US 90442892 A 19920626